

Article Overview

Handheld Raman spectrometers typically range from \$10,000 to \$50,000, depending on model, features, and manufacturer.

Price Range and Factors

The cost of a handheld Raman spectrometer varies widely based on specifications and intended use. Basic handheld models start around \$10,000, while more advanced units with higher sensitivity, resolution, or embedded chemometrics software can reach \$50,000 or more . Factors influencing price include:

- o Laser wavelength and power: Different excitation wavelengths (e.g., 532 nm, 785 nm, 1064 nm) affect performance and cost .
- o Resolution and sensitivity: Higher resolution and better signal-to-noise ratios increase price.
- o Software and chemometrics: Embedded analysis tools for quantitative and qualitative measurements add to the cost .
- o Brand and model: Leading manufacturers like Thermo Fisher, Renishaw, and Horiba typically command higher prices .

New vs. Used Units

- o New handheld spectrometers: Typically range from \$20,000 to \$50,000, offering full warranty, latest software, and manufacturer support .
- o Used or refurbished units: Can be found for \$10,000 to \$30,000, depending on condition, age, and included accessories .

Example Models

- o Thermo Scientific TruScan RM Handheld Raman Analyzer: Designed for rapid material identification in pharmaceuticals and raw material verification, with optional TruTools chemometrics for advanced analysis .
- o B&W Tek NanoRam-1064: Portable Raman spectrometer suitable for field and laboratory use, available new or on resale platforms like eBay .

Considerations

When budgeting for a handheld Raman spectrometer, consider:

- o Intended application: Pharmaceutical QA/QC, chemical verification, or gemstone analysis may require different sensitivity and software features.

Price of Handheld Raman Spectrometer

- o Regulatory compliance: Some models comply with FDA, EP, or USP standards, which may affect cost .
- o Long-term value: Leasing or financing options may be available to reduce upfront costs while maintaining access to high-performance instruments . Overall, handheld Raman spectrometers provide rapid, non-destructive material analysis, and prices reflect the balance between portability, performance, and software capabilities.

Handheld Raman Spectroscopy The Handheld Raman spectrometer from RamanLife is designed to record Raman and

Resolve Handheld Spectrometer The Agilent Resolve handheld spectrometer is a cutting-edge analytical instrument specifically

Each system has a very small footprint, a lightweight design and low power consumption, but are powerful enough to perform in the

Buy Raman Spectrometers Purchase Raman spectrometers the easy way: Discover all products and suppliers for the chemical

Discover handheld Raman spectrometers with 785nm laser & IP67 rating for drug, material & gem analysis. Explore

TruScan(TM) RM Handheld Raman Analyzer Decrease sampling costs, increase inventory turns with rapid

SIMTRUM Manufacture 532nm/785nm/1064nm Handheld Raman and Benchtop Raman spectrometer systems for all your needs,

The TruScan RM Handheld Raman Analyzer uses Raman spectroscopy where an unknown sample of

Factory Price Handheld Raman Spectrometer for Chemical Detection 785nm Handheld Raman Analyzer \$8,000-11,589

Thermo Scientific TruScan RM Next Generation Handheld Raman Analyzer from Thermo Scientific(TM).

BRAVO is THE handheld Raman spectrometer dedicated for fast raw materials identification and verification with optimal spectrum

Conclusion: Summary of 2026 Raman Spectroscopy Systems The landscape of Raman

Discover Agilent's handheld Raman spectrometers. Our portable Raman systems use SORS to measure



Price of Handheld Raman Spectrometer

through opaque containers

This report provides a detailed analysis of Raman spectroscopy pricing, market trends, and instrument tiers for 2026.

Progeny handheld Raman spectrometer delivers the industry's widest and most comprehensive range of

Get the best deals for Raman Spectrometer at eBay.com. We have a great online selection at the lowest prices with Fast & Free

Web: <https://morwarreconst.co.za>

